

**WHAT IS CLAIMED IS:**

1. A back light module, comprising:

a plurality of light tubes, being disposed on a first vertical axial line to form an arrangement of the light tubes aligning with each other vertically; and

5 an intermediate light tube, being disposed on a second vertical axial line and between two neighboring ones of the light tubes.

2. The back light module as defined in claim 1, wherein a distance between the first vertical axial line and the second vertical line is greater than one fourth of a light tube diameter.

10 3. The back light module as defined in claim 2, wherein a distance between two neighboring light tubes on the first vertical axial line is preferably not less than five times of a light tube diameter thereof.

4. A flat display device, comprising

a display panel;

15 a back light module as defined in claim 1; and

a diffusion plate, being disposed between the display panel and the light tubes of the back light module;

20 wherein, the diffusion plate has a part nearer the light tubes is treated to be hard for light penetration and has a part farther from the light tubes is treated to be easy for light penetration.

5. The flat display device as defined in claim 4, wherein the diffusion plate at a surface thereof is printed net points with the part nearer the light tubes being provided with thick net points and the part farther the light tubes being provided with thin net points.